Association connecting Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
IPC Web Site for Information on IPC-1752 Standard Form			Form Type Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia					rials and N	als and Mfg Information				
Supplier Information														
Company name* Compa			ompany unique ID			Unique ID Authority				Respon	Response Date*			
onsemi											2024-05-11			
Contact Name Title - Contact			ct	Phone - C			Contact*			Email ·	Email - Contact*			
Product-Env-Stewards Product Env			nviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repr			epresentative			Phone - Representative*				Email ·	Email - Representative*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item	n Number	Mfr Item Name			Effective Date	Version	N	Ianufacturing Site		Weight*	UOM	Unit Type	
	MM3Z3	MM3Z3V9ST1G SOD-323 COPPER		ER PB FREE		2024-05-11	2024-05-11 CN1		N1		4.51	mg	Each	
Manufacturing Proccess Informa	ntion						-							
Terminal Plating / Grid Array M	laterial 7	al Terminal Base Alloy .		J-STD-020 MSI	Rating	Peak Proc	ocess Body Temperature Max Time at Peak		k Tempera	ture Nun	nber of Reflow Cyc	eles		
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	seco	nds 3			
Comments														
evel 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds											
or more information regarding materia	l composition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DIBP).										
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe v others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	on above	Supplier Acceptance	* Accepted							
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	stislav Drska	Le									

## Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

sigma range of distribution unless otherwise noted).										
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure		
Die	0.49	mg	Supplier	Silicon (Si)	7440-21-3		0.49	mg		
Lead Frame	0.86	mg	В	Nickel (Ni)	7440-02-0		0.3122	mg		
			Supplier	Iron (Fe)	7439-89-6		0.4317	mg		
			Supplier	Copper (Cu)	7440-50-8		0.1161	mg		
Mold Compound-Black	3.02	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.0906	mg		
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0151	mg		
			Supplier	2,4,6-triamino-s-triazincompd.withs- triazine-triol	37640-57-6		0.0906	mg		
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.416	mg		
			Supplier	Carbon Black (C)	1333-86-4		0.0302	mg		
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.2416	mg		
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1359	mg		
Plating	0.13	mg	Supplier	Tin (Sn)	7440-31-5		0.13	mg		
Wire Bond - Cu	0.01	mg	Supplier	Copper (Cu)	7440-50-8		0.01	mg		

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted).